



Atty. Dkt. No. 034536-0180

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Gregory D. PLOWMAN et al.

Title: MAMMALIAN PROTEIN PHOSPHATASES

Appl. No.: 10/716,442

Filing Date: 11/20/2003

Examiner: Nashaat T. Nashed

Art Unit: 1652

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

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**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

**RELEVANCE OF EACH DOCUMENT**

The documents listed on the attached PTO/SB/08 were cited by the Examiner as being relevant in a related U.S. Patent application, 10/716,488.

Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

**FEE**

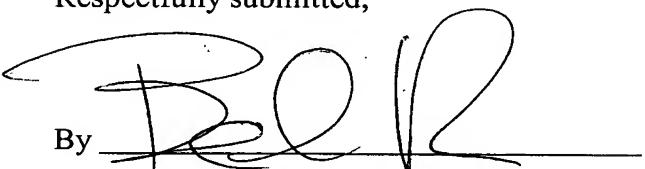
A fee in connection with submission of an information disclosure statement under 37 CFR §1.97(c) in the amount of \$180.00 in accordance with 37 CFR §1.17(p) is attached.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date 13 September 2005

By



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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Complete if Known

Application Number

10/716,442

Filing Date

11/20/2003

First Named Inventor

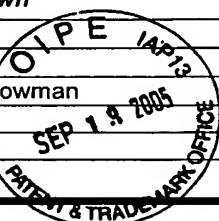
Gregory D. Flowan

Group Art Unit

1652

Examiner Name

Unassigned



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ATENT &amp; TRADEMARK OFFICE

034536-0180

Attorney Docket Number

| U.S. PATENT DOCUMENTS |                       |                      |                                   |   |  |   |
|-----------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| Examiner Initials*    | Cite No. <sup>1</sup> | U.S. Patent Document |                                   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                       |                       | Number               | Kind Code <sup>2</sup> (if known) |   |  |   |
|                       | B1                    | 2002/0106678         | A1                                | ROBISHAW et al.                                 | 08-08-2002                                       |   |
|                       |                       |                      |                                   |   |  |   |
|                       |                       |                      |                                   |   |  |   |

## NON PATENT LITERATURE DOCUMENTS

|                    |                       |  |                |
|--------------------|-----------------------|--|----------------|
| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>6</sup> |
|                    | B2                    | WHISSTOCK et al., "Prediction of protein function from protein sequence and structure," <u>Quarterly Reviews of Biophysics</u> , 2003, pp. 307-340, Vol. 36, Cambridge University Press, United Kingdom  |                |
|                    | B3                    | ZOLA, "Detection of Cytokine Receptors by Flow Cytometry," <u>Current Protocols in Immunology</u> , 1998, pp. 6.21.1-6.21.17, Supplement 26, John Wiley & Sons, Inc.   |                |
|                    | B4                    | SCHWEIGHOFER et al., "Plant PP2C phosphatases: emerging functions in stress signaling," <u>Trends in Plant Science</u> , May 2004, pp. 236-243, Vol. 9, No. 5, Elsevier Ltd.   |                |
|                    | B5                    | DAHAN et al., "Regulation of the CFTR channel by phosphorylation," <u>Pflugers Arch – Eur J. Physiol.</u> , 2001, pp. S92-S96, Vol. 443, Suppl. 1  |                |
|                    | B6                    | GenBank accession number NP_197876, deposited by Tabata et al., first seen at NCBI on August 21, 2001  |                |
|                    | B7                    | SKOLNICK et al., "From genes to protein structure and function: novel applications of computational approaches in the genomic era," <u>Trends in Biotechnology</u> , Jan. 2000, pp. 34-39, Vol. 18, No. 1  |                |
|                    | B8                    | CAMPBELL, <u>Monoclonal Antibody Technology</u> , 1984, Elsevier Science Publishing Company, Chapter 1, pp. 1-32   |                |
|                    | B9                    | COLMAN, "Effects of amino acid sequence changes on antibody-antigen interactions," <u>Research in Immunology</u> , 1994, pp. 33-36, Vol. 15  |                |
|                    |                       |  |                |

|                    |  |                 |
|--------------------|--|-----------------|
| Examiner Signature |  | Date Considered |
|--------------------|--|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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